

**Specification of Competency Standards**  
**for the Logistics Industry**  
**Unit of Competency**

Functional Area - Planning and Design of Logistics Solutions

Title	Plan and design global logistics solutions (market environment)
Code	LOCUPD702B
Range	This unit of competency is applicable to logistics service providers. Practitioners should be capable of planning and designing global logistics solutions for customers by utilising the corporate resources and network (market environment).
Level	7
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge of global logistics solutions (market environment)</p> <ul style="list-style-type: none"> <li>• Understand the global operations strategies of the company</li> <li>• Understand the legal requirement and obligation of each parties involved in global logistics operations</li> <li>• Understand the capability of comparable global competitors and their scope of service</li> <li>• Understand the nature and characteristics of international freight transport</li> <li>• Understand the operations of free trade zones and bonded areas in the world</li> <li>• Understand the global carriers, airlines, sub-contractors strength and weaknesses, their development plan and global strategies, etc.</li> <li>• Understand the global customers on their strategies plan, products development and shift of sources, etc.</li> <li>• Master the company's connection with intercontinental and global partners, agents and operators</li> <li>• Master the use of analytical tools, such as operational research, statistical method and cost benefit analysis, and relevant computer software</li> </ul> <p>2. Plan and design global logistics solutions</p> <ul style="list-style-type: none"> <li>• Design global logistics network and routes <ul style="list-style-type: none"> <li>○ Analyse the data of cargo volume (in average, maximum, and seasonal terms) of customers and the routing (departure place, transshipment point and destination) and their future shift strategies</li> <li>○ Analyse the nature, weight, volume and value of goods</li> <li>○ Analyse the distribution and distance of customers</li> <li>○ Analyse the feasibility of using cross-docking mode and the advantages and disadvantages</li> <li>○ Develop key performance indicators for each sectors to ensure stability and provide continuous improvement of service level to the customers</li> <li>○ Design the most appropriate IT solutions to meet the customers' requirement</li> <li>○ Analyse/identify the bottleneck of operations</li> </ul> </li> <li>• Analyse the feasibility of providing different value-added services</li> <li>• Compile reports to illustrate the operations of logistics solutions and the main design concepts and principles</li> <li>• Design ways for information transfer and establish control points</li> <li>• Design the best and the most cost effective transport mode, delivery network/routings and multi-modal arrangements, etc.</li> <li>• Design cost effective ways of storage, transshipment and distribution (extra point)</li> <li>• Examine the services and capability of global contractors/partners in different logistics stages and use the services of appropriate contractors/partners when designing logistics solutions</li> </ul>

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	<ul style="list-style-type: none"> <li>• Co-ordinate the cargo throughput in different regions to maximise utilisation of resources according to the services and capability of global contractors/partners</li> <li>• Prepare implementation plans for logistics solutions</li> <li>• Identify potential risk factors and prepare contingency plan to rectify irregularity</li> <li>• Plan effective workflow and procedures for handling and transferring goods, documents and information</li> <li>• Critically audit logistics solutions in the aspect of resources utilisation in the inter-continental network</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Capable of planning and designing cost effective solutions for global logistics with reference to the operations policy and the needs of customers; and</li> <li>• Capable of compiling reports to illustrate logistics solutions to the management, describe the content and operations of logistics solution and regular review the implementation of logistics solution.</li> </ul>
Remark	This UoC splits from the Logistics UoC LOCUPD701A